

Recombinant Human LAP3, His-tagged

Cat. No. LAP3-27947TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 78-468 of Human LAP3 with an N terminal His tag. Predicted mwt: 43 kDa;
Species	Human
Source	E.coli
ProteinLength	78-468 a.a.
Description	LAP3 is presumably involved in the processing and regular turnover of intracellular proteins. It catalyzes the removal of unsubstituted N-terminal amino acids from various peptides. Reduced enzymatic activity of LAP3 may cause hypertension.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 45 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LKAGKTRTFYGLHQDFPSVVLVGLGKKAAGIDEQENWHEG KENIRAAVAAGCRQIQ DLELSSVEVDPCGDAQAAAEGA VLGLYEYDDLKQKKKMAVSAKLYGSGDQEAWQ KGVLFASGQNLARQLMETPANEMTPTRFAEIIIEKNLKSASSKTEVH IRPKSWIEEQA

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MGSFLSVAKGSDEPPVFLEIHYKSPN ANEPPLVFGKGITFDSSGGISIKASANMDL
 MRADMGGA ATICSAIVSAAKLNLPINIIGLAPLCENMPGKANKPGDV VRAKNGKTI
 QVDNTDAEGRILADALCYAHTFNPVKVIL NAATLTGAMDVALGSGATGVFTNSSWL
 WNKLFEASJET GDRVWRMPLFEHYTRQVVDCQLADVNNIGKYRSAGACTAA AFL

GENE INFORMATION

Gene Name LAP3 leucine aminopeptidase 3 [Homo sapiens]

Official Symbol LAP3

Synonyms LAP3; leucine aminopeptidase 3; PEPS, peptidase S; cytosol aminopeptidase; LAP; LAPEP;

Gene ID 51056

mRNA Refseq NM_015907

Protein Refseq NP_056991

MIM 170250

Uniprot ID P28838

Chromosome Location 4p15.33

Pathway Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

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Function

aminopeptidase activity; magnesium ion binding; manganese ion binding;
metalloexopeptidase activity; peptidase activity;

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